

# LC-X1265

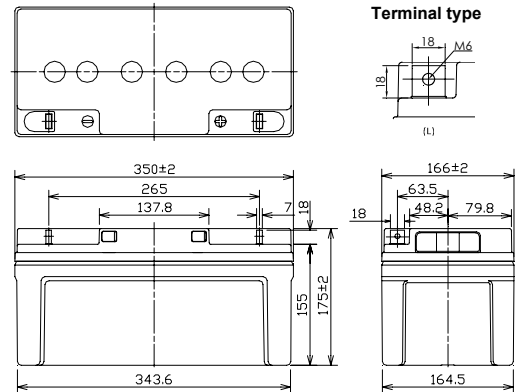


Contents indicated (including the recycle marking, etc) are subject to change without notice.

For standby power supplies

Expected trickle life: Approx. 6 years at 25°C, approx. 10 years at 20°C

## ■ Dimensions(mm)



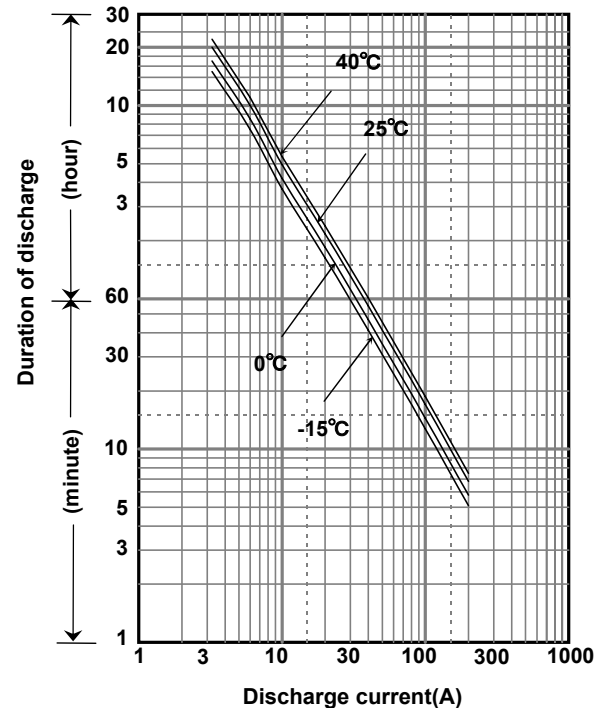
## ■ Specification

|                      |              |                                    |
|----------------------|--------------|------------------------------------|
| Nominal Voltage      |              | 12V                                |
| Rated Capacity(20HR) |              | 65Ah                               |
| Dimensions           | Length       | 350 mm                             |
|                      | Width        | 166 mm                             |
|                      | Height       | 175 mm                             |
|                      | Total height | 175 mm                             |
| Approx. Mass         |              | 19.5 kg                            |
| Terminal             |              | M6 threaded post Bolt and Nut type |

## ■ Characteristics

|                                                            |                                  |      |
|------------------------------------------------------------|----------------------------------|------|
| Capacity<br>(25 °C)                                        | 20 hour rate                     | 65Ah |
|                                                            | 10 hour rate                     | 59Ah |
|                                                            | 5 hour rate                      | 53Ah |
|                                                            | 1 hour rate                      | 40Ah |
| Internal Resistance                                        | Fully charged battery<br>(25 °C) | 7 mΩ |
| Temperature<br>Dependency of<br>Capacity<br>(20 hour rate) | 40 °C                            | 102% |
|                                                            | 25 °C                            | 100% |
|                                                            | 0 °C                             | 85%  |
|                                                            | -15 °C                           | 65%  |
| Self Discharge<br>(25 °C)                                  | After 3 months                   | 91%  |
|                                                            | After 6 months                   | 82%  |
|                                                            | After 12 months                  | 64%  |

## ■ Duration of discharge vs. discharge current



## ■ Watt Table(25°C)

(Wattage/Battery)

| Cut-off V | 3min | 5min | 10min | 15min | 20min | 30min | 45min | 1h  | 1.5h | 2h  | 3h  | 4h  | 5h  | 6h  | 10h  | 20h  | 24h  |
|-----------|------|------|-------|-------|-------|-------|-------|-----|------|-----|-----|-----|-----|-----|------|------|------|
| 9.6V      | 2235 | 1884 | 1439  | 1127  | 956   | 742   | 533   | 501 | 321  | 290 | 201 | 158 | 131 | 115 | 70.8 | 39.0 | 32.4 |
| 9.9V      | 2180 | 1851 | 1422  | 1116  | 951   | 734   | 520   | 494 | 313  | 289 | 198 | 157 | 127 | 115 | 70.8 | 39.0 | 32.4 |
| 10.2V     | 2010 | 1735 | 1386  | 1093  | 935   | 725   | 515   | 484 | 307  | 281 | 196 | 156 | 126 | 114 | 70.1 | 38.9 | 32.3 |
| 10.5V     | 1787 | 1554 | 1284  | 1017  | 888   | 709   | 507   | 474 | 300  | 272 | 193 | 154 | 125 | 113 | 69.7 | 38.8 | 32.2 |
| 10.8V     | 1509 | 1374 | 1145  | 949   | 865   | 685   | 499   | 465 | 292  | 259 | 189 | 152 | 122 | 111 | 69.0 | 38.6 | 32.0 |

## ■ Ampere Table(25°C)

(Ampere/Battery)

| Cut-off V | 3min | 5min | 10min | 15min | 20min | 30min | 45min | 1h   | 1.5h | 2h   | 3h   | 4h   | 5h   | 6h   | 10h  | 20h  | 24h  |
|-----------|------|------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|
| 9.6V      | 201  | 169  | 129   | 98.0  | 82.4  | 63.4  | 45.4  | 42.5 | 27.2 | 24.5 | 16.9 | 13.2 | 10.9 | 9.60 | 5.90 | 3.25 | 2.70 |
| 9.9V      | 196  | 166  | 127   | 97.0  | 82.0  | 62.7  | 44.3  | 41.9 | 26.5 | 24.4 | 16.6 | 13.1 | 10.6 | 9.60 | 5.90 | 3.25 | 2.70 |
| 10.2V     | 181  | 156  | 124   | 95.0  | 80.6  | 62.0  | 43.9  | 41.1 | 26.0 | 23.8 | 16.4 | 13.0 | 10.5 | 9.52 | 5.84 | 3.24 | 2.69 |
| 10.5V     | 161  | 139  | 115   | 88.4  | 76.6  | 60.6  | 43.2  | 40.3 | 25.4 | 22.9 | 16.2 | 12.9 | 10.4 | 9.41 | 5.81 | 3.23 | 2.68 |
| 10.8V     | 136  | 123  | 102   | 82.5  | 74.5  | 58.5  | 42.5  | 39.4 | 24.7 | 21.9 | 15.8 | 12.8 | 10.2 | 9.26 | 5.75 | 3.21 | 2.66 |

## ■ Charging Method

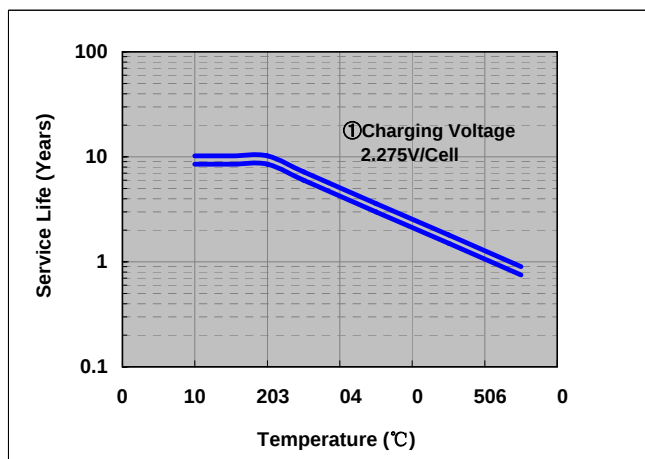
(25°C)

|             |                                                              |
|-------------|--------------------------------------------------------------|
| Trickle use | Control voltage 13.6-13.8V; Initial current 9.75A or smaller |
|-------------|--------------------------------------------------------------|

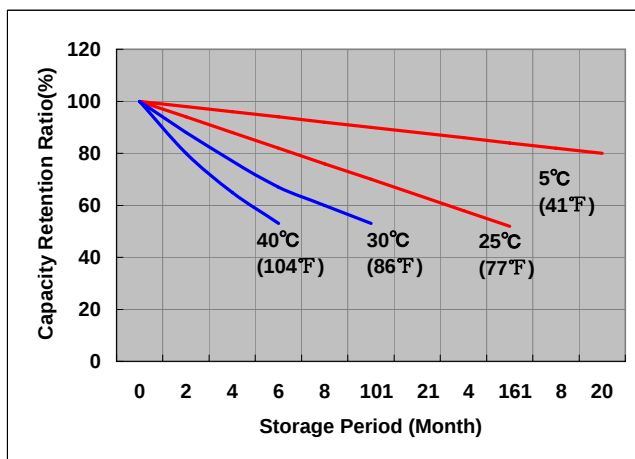
## ■ Cut off voltage

| Discharge current  | 3.25A-13A | 13A-32.5A | 32.5A-65A | 65A-130A | 130A-195A |
|--------------------|-----------|-----------|-----------|----------|-----------|
| Cut off voltage(V) | 10.5      | 10.2      | 9.9       | 9.3      | 8.7       |

## ■ Influence of Temperature on Trickle life

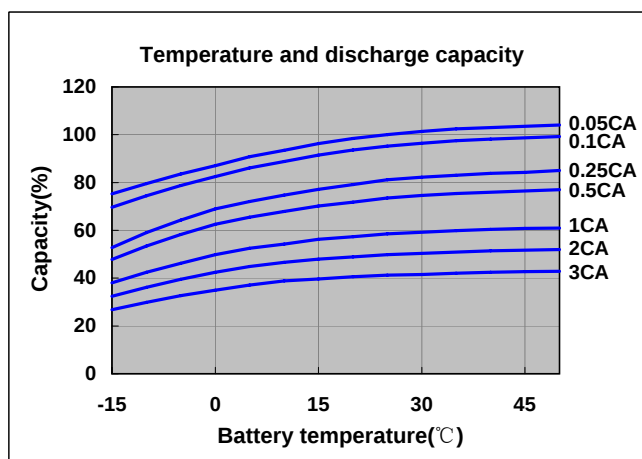
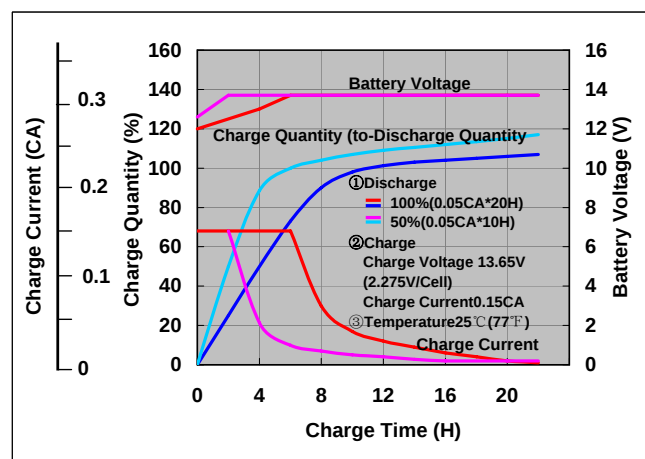


## ■ Residual capacity test result



## ■ Constant-voltage and constant-current charge characteristics

## ■ Discharge capacity by temperature and by discharge current



## ■ Discharge characteristics(25°C)

